

YASKAWA

Robotics Training Packages

Teach robotics to future robot operators and students with our education program of single robots, turnkey robot cells and powerful software



Controlled by
YRC1000

Controlled by
**YRC1000
micro**

Robot Bundles



- Specially developed for training
- Easy to operate
- Compact size
- Suitable for an office or classroom

Different combinations depending on requirements.

SCOPE OF DELIVERY

- MOTOMAN robot (MotoMINI, GP4, GP7, GP8 or HC10DTP)
- YRC1000micro control cabinet
- Smart Pendant or Teach Pendant
- MotoSIM EG-VRC offline simulation software (optional)
- Robot cable 6 m
- Pendant cable 8 m
- IO terminal blocks with 2 m cable
- Media connector

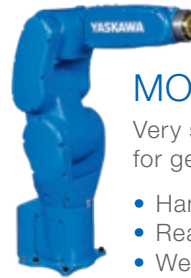
Single Robots



MotoMINI

The miniature yet fully functional industrial robot.

- Handling capacity 0.5 kg
- Reach 350 mm
- Weight 7 kg



MOTOMAN GP4

Very small industrial robot for general purposes.

- Handling capacity 4 kg
- Reach 550 mm
- Weight 28 kg



MOTOMAN GP7

Industrial robot for general purposes.

- Handling capacity 7 kg
- Reach 927 mm
- Weight 37 kg



MOTOMAN GP8

Industrial robot for general purposes.

- Handling capacity 8 kg
- Reach 727 mm
- Weight 35 kg



MOTOMAN HC10DTP

Collaborative robot for general purposes.

- Handling capacity 10 kg
- Reach 1379 mm
- Weight 58 kg

Available educational bundles



Components at a glance

MOTOMAN YRC1000

The MOTOMAN YRC1000 is a compact and powerful multi axis and multi tasking controller platform for robots and peripheral motion, coordinating motion of up to 8 robots (Master/Slave) and additional external axes up to a total of 72 motion axes.

A very fast multitasking CPU, an advanced operating system and the superior Yaskawa Sigma7 high speed servo technology allow high accelerations, fast axis speeds and superior path performance.



MOTOMAN YRC1000micro

The MOTOMAN YRC1000micro is a powerful and precise, ultra-compact robot controller for small robots up to 12 kg payload, capable to control a robot with up to 2 additional external axes.

It's small footprint and lightweight housing is ideal for space-saving stand-alone installation, or it can be installed horizontally or vertically in a 19" rack or a machine control cabinet.



Smart Pendant

The Smart Pendant simplifies traditional programming for easy-to-understand operation and fast implementation to the robot system.

Featuring a ten inch touch screen, complete with safety features and ideal for novice robot users.



Teach Pendant

The light weight standard programming pendant with a touch screen and menu/command-line based on the INFORM language.

Complete access to all operations from programming to maintenance, and the possibility to create your own user menus.



MotoSim EG-VRC

This powerful offline programming and simulation tool offers advanced control and simulation of the Yaskawa product family including robots, gantries, tracks and positioners.

MotoSim supports process applications like arc welding, spot welding, cutting, handling and painting. The virtual controller inside displays a programming pendant interface identical to the real controller.



YouTeachMe Cells

Products for Education

The Robotics Training Packages encompass a number of products developed specially for education purposes, both for industrial customers and schools and universities.

The YouTeachMe and Welding Cell as well as the Robot Bundles are easy to use and compact, making them suitable for an office or classroom. In combination with the MotoSIM EG-VRC offline simulation software, an ideal online teaching environment can be created. The software can be used to simulate a production environment in order to carry out pick-and-place tasks realistically.

Turnkey Robot Cells

Compact fully functional robot cells well designed for realistic training of future robot operators. Equipped with either a general purpose or a collaborative robot and controller. Models are available for 3-phase 400 V or 1-phase 230 V.



SCOPE OF DELIVERY YouTeachMe Cell with MOTOMAN GP8

- YRC1000 or YRC1000micro controller and Teach Pendant
- Complete station on wheels
- Safety scanner with light beacon
- MotoSim EG-VRC offline simulation software (optional)
- SCHUNK pneumatic gripper
- Miniature pallets and blocks

YouTeachMe Cells

- Specially developed for training
- Easy to operate
- Compact size with foldable table
- Suitable for an office or classroom
- Useful for both beginners and experienced students

Table top with a magnetic whiteboard surface and safety scanners under the table to go from slow speed to full stop upon approaching. When folded up it can easily pass through a doorway.

- Footprint 0.8 m² (transport mode)
- Weight 325 kg (including robot and controller)
- Option: integrated rotating disc (external axis)



SCOPE OF DELIVERY YouTeachMe Cell with MOTOMAN HC10DTP

- YRC1000 or YRC1000micro controller and Teach Pendant
- Complete station on wheels
- Safety scanner with light beacon
- MotoSim EG-VRC offline simulation software (optional)

Controlled by
YRC1000

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ArcWorld HS Micro



Welding Cell ArcWorld HS Micro

- For customers who do In-House Trainings
- Easy to operate
- Compact size
- Align your training with the proven didactic concept of the Yaskawa Academy

Complete with robot and controller and with its hinged door opening it has plenty to offer. Built on a platform with dark green polycarbonate glare shield protection and fume hood.

- Footprint 1.4 m² (transport mode)
- Weight 690 kg (including robot and controller)
- Option: integrated rotating disc (external axis)

SCOPE OF DELIVERY

- Robot MOTOMAN AR900
- YRC1000 controller
- Teach Pendant
- Option: external axis V100Y

Welding power source, cable bundle, wire feeder and welding torch can be added according to the selection.



Optional power sources are:

- Esab Aristo Mig 4004i Pulse
- EWM Phoenix 552
- Fronius TPS 320i
- Kemppi A7 Mig Welder 350
- Lorch RoboMIG XT-Series
- Migatron Sigma Select 300
- SKS LSQ3

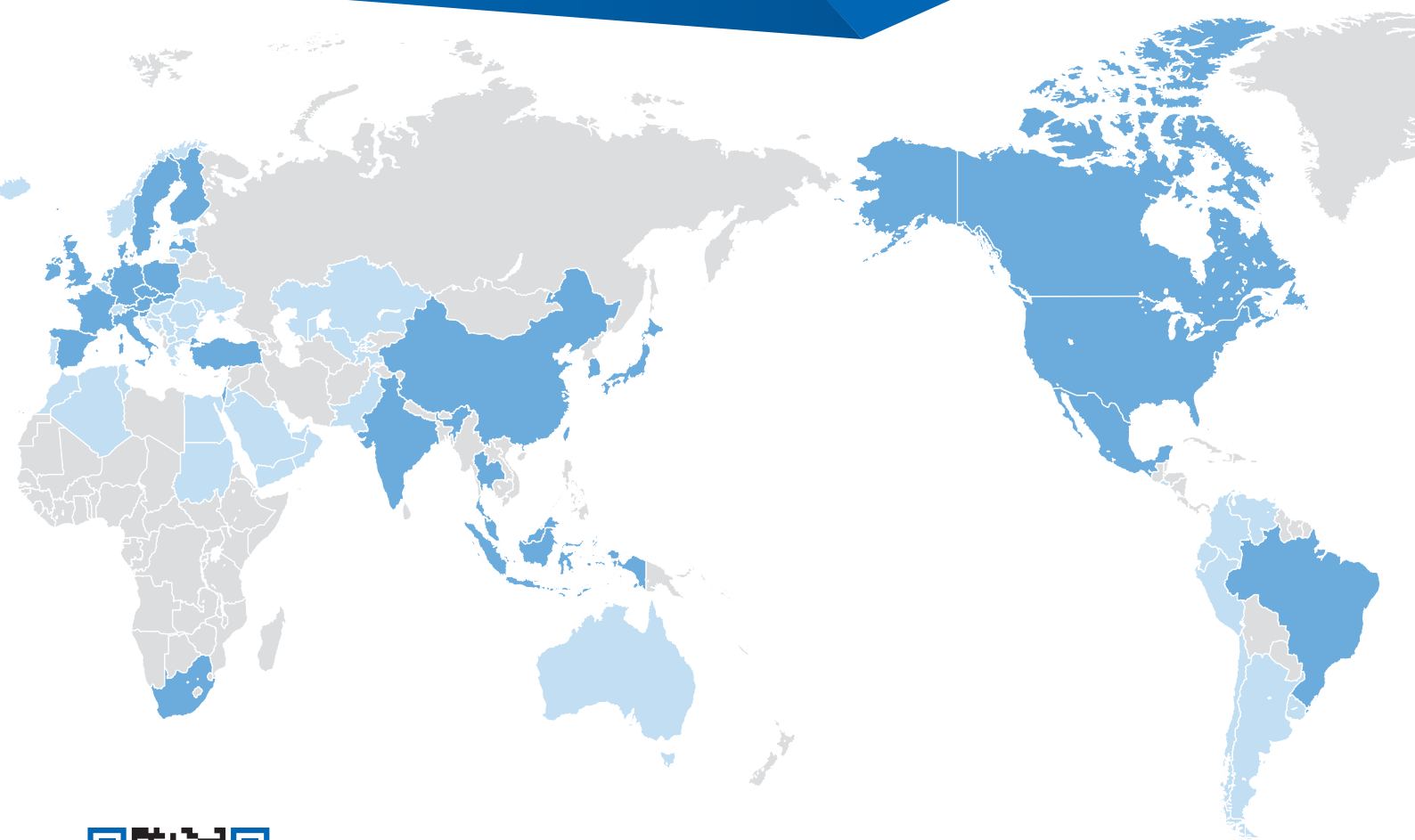
Industrial Robot

MOTOMAN AR900 with a 7 kg payload capacity and an easy-to-clean finish. It is equipped with a selection of advanced Yaskawa programming functions to maximize weld quality and robot speed.



TEACHER TRAINING

Do you need a professional training course to refresh or improve your programming skills? Our Yaskawa Academy provides the necessary knowledge and offers a wide range of courses.



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All drawing dimensions in mm.
Technical data may be subject to change without previous notice.
Please request detailed drawings at robotics@yaskawa.eu.

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